

WSDOT Business Needs

- Transportation Project Planning
Coordinate with local agencies on priorities for transportation system activities
- Transportation Project Scoping
Determine activities and resulting requirements needed to resolve transportation system challenges such as safety, mobility, and preservation (maintenance)

The Solution:

A tool to put adequate and appropriate environmental data in context with proposed transportation system project locations being scoping.

Put as much critical information needed for environmental review in one place. Central management of that data saves time at all regions.

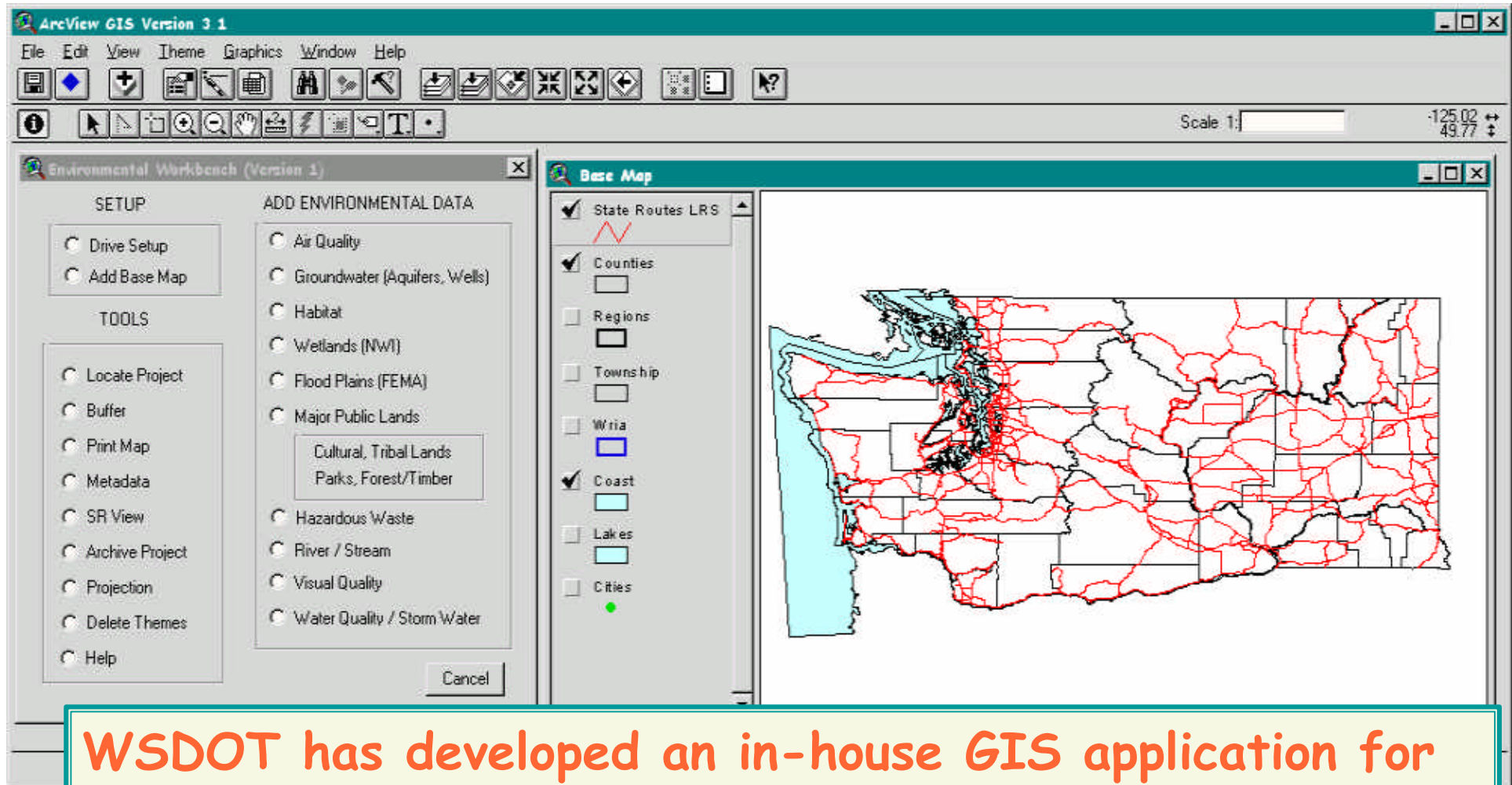


Technical Components

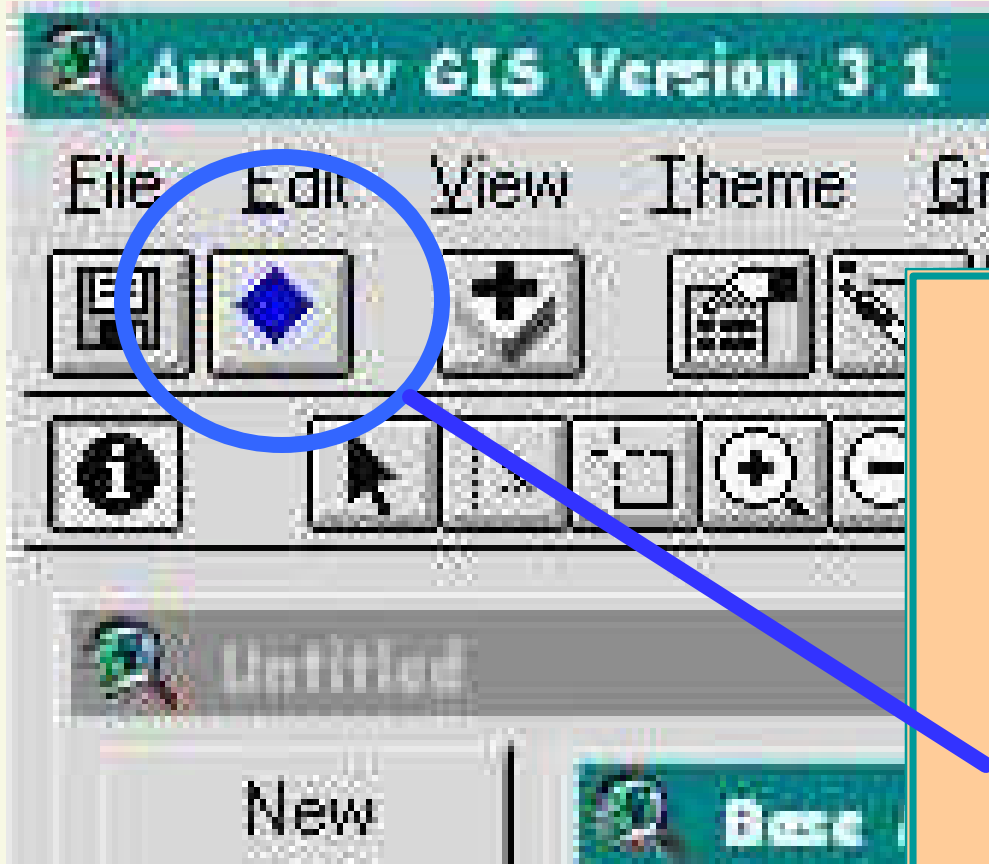
- ArcView extension / menu
- floating license management for ArcView
- environmental data improvements



Design, development, testing and deployment were accomplished within ONE calendar year!



WSDOT has developed an in-house GIS application for use in scoping transportation projects. The Environmental GIS Workbench provides a basemap and a form menu for accessing environmental data and analysis tools within the agency's computer network.



The key that unlocks the Environmental GIS Workbench Extension is

"THE BLUE BUTTON"

It is the only modification to the basic ArcView interface.

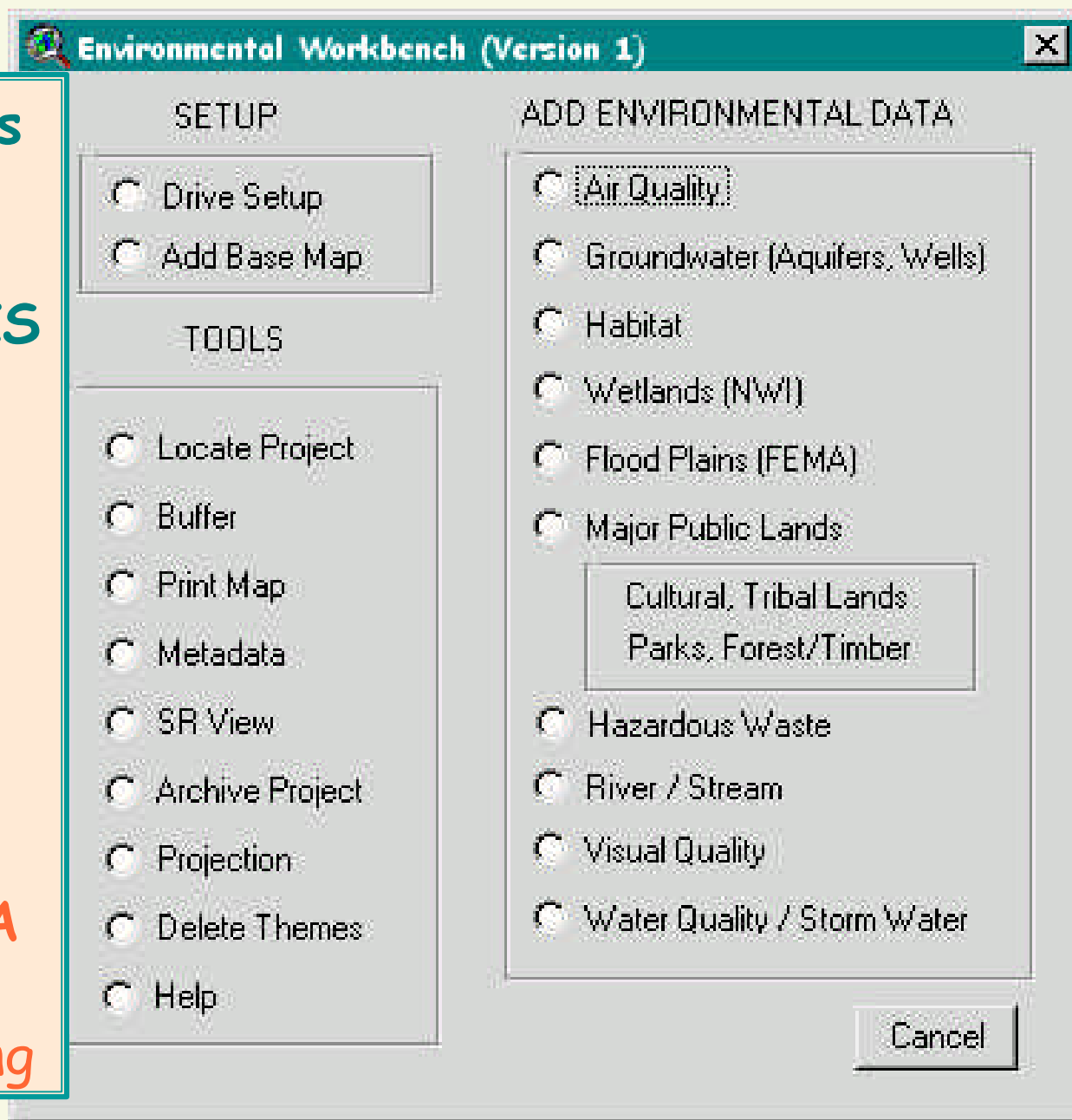
The Main Menu is the “dashboard” for the Environmental GIS Workbench.

Areas:

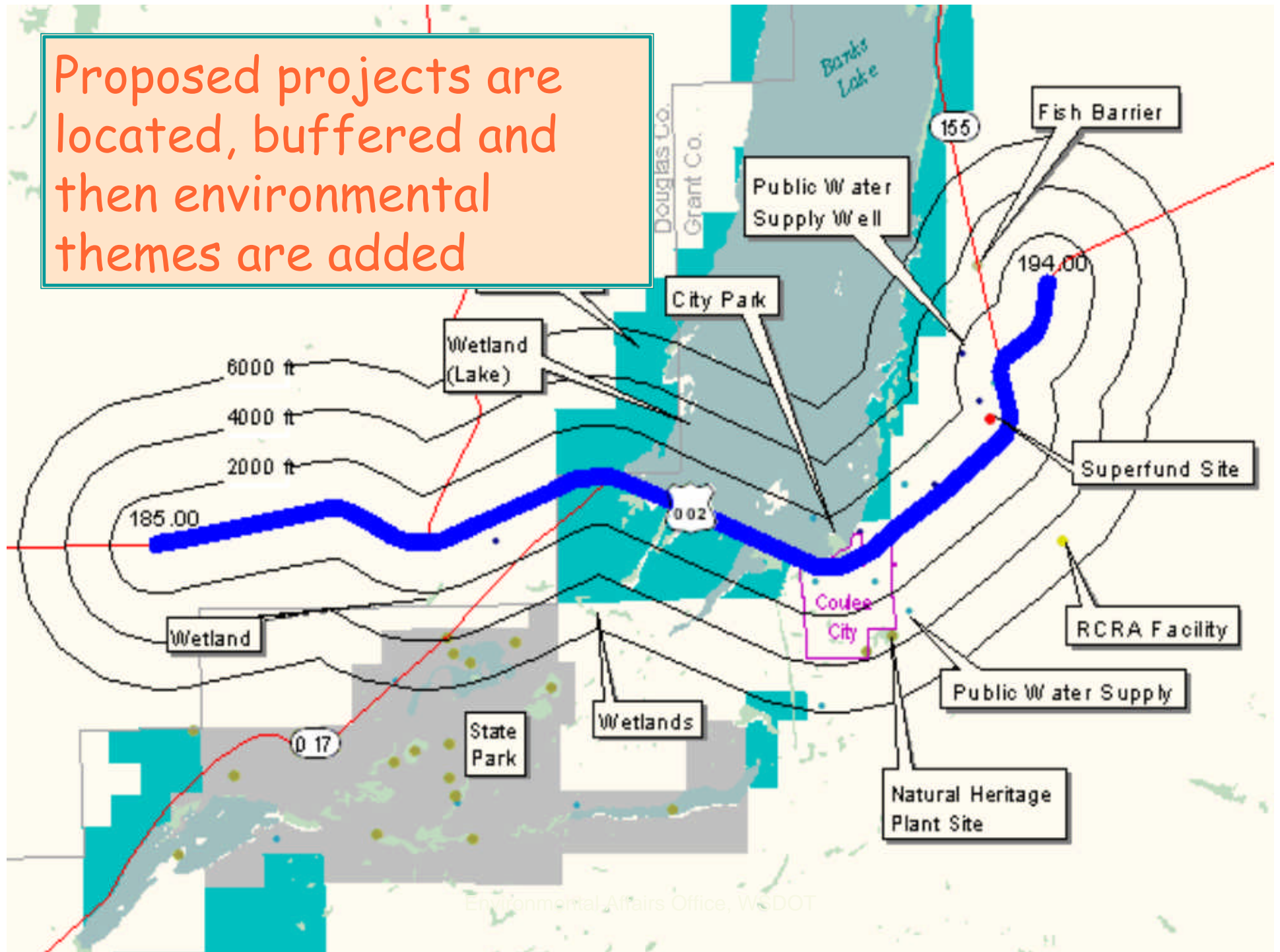
SET UP
system stuff

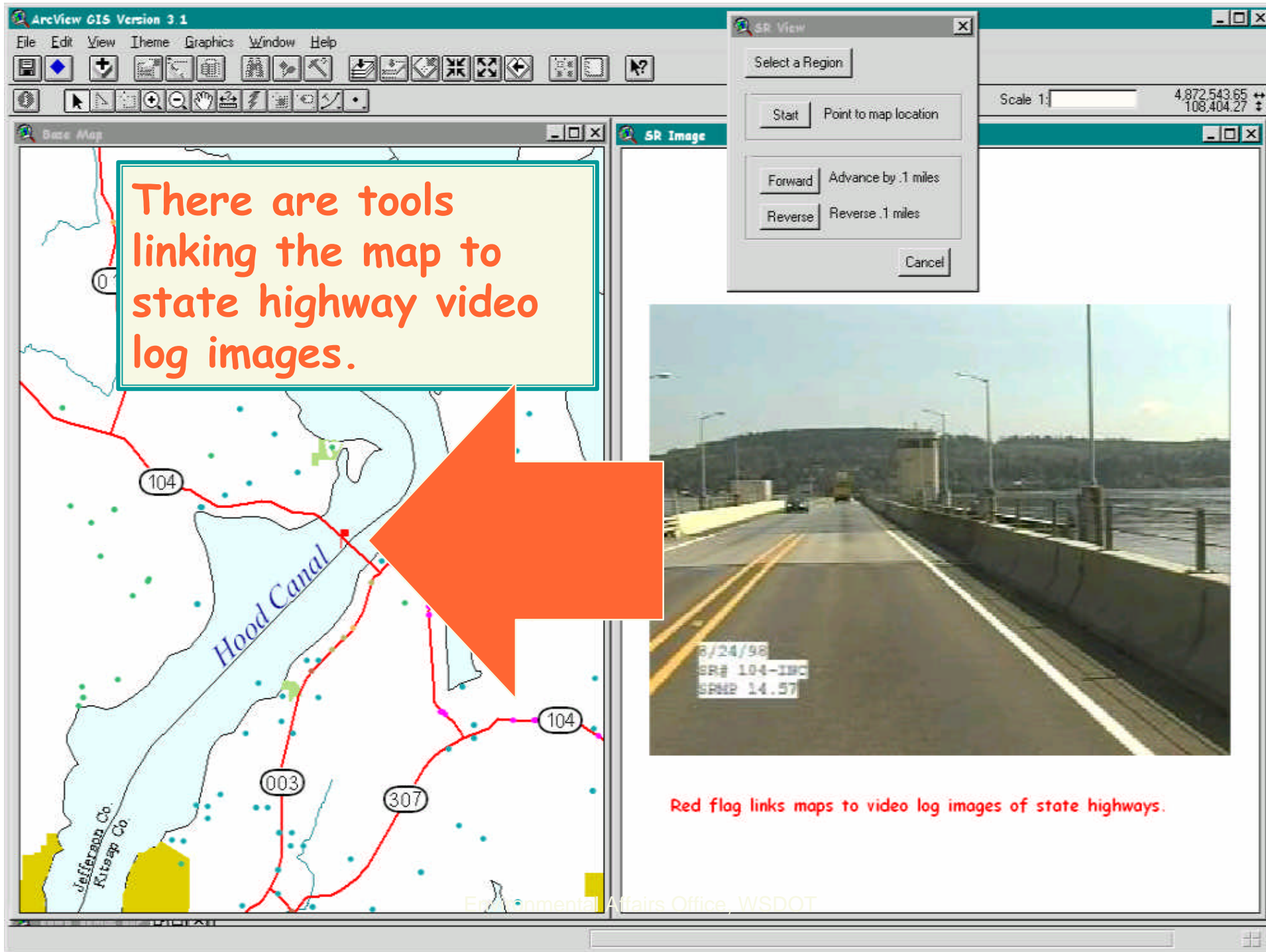
TOOLS
Doing things

ADD ENVI DATA
Get to data
needed for scoping



Proposed projects are located, buffered and then environmental themes are added





Fish Passage Barriers Associated with Washington State Highways

Section Index

Identification Information

Data Quality Information

Spatial Data Organization Information

Spatial Reference Information

Entity and Attribute Information

Distribution Information

Metadata Reference Information

Viewing "metadata"
(information about the real
data you are using).

WSDOT uses the national
standard format for
metadata.

There are tools to find out about
the source and quality of the
environmental data being viewed.

Citation Information:

Originator: Washington Department of Fish and Wildlife and the Washington

Environmental Affairs Office, WSDOT

